

HIGH-SPEED PHOTOS TOPIC OF LECTURE BY PROF. EDGERTON

Stroboscopic Light Also Discussed In Two Demonstrations To Capacity Audiences

LECTURES SPONSORED BY SOCIETY OF ARTS

Effects Not Ordinarily Visible Shown In Pictures Taken By New Camera

Stroboscopic Light and High Speed Motion Pictures were discussed by Professor Harold E. Edgerton in the second of the popular science lectures given Sunday, January 13 in Room 10-250. Because of the great interest in the lecture, Professor Edgerton delivered his address twice, at 4 P.M. and again at 8 P.M.

Discussing stroboscopic light, Professor Edgerton showed the quickness of flash, and its instantaneous intensity. By means of flashing mercury and neon lights, a propeller was made to appear to be standing still. The construction of the instrument was explained, and several examples of its use given.

Use Stroboscope in High Speed Pictures

High speed cameras were shown, both the shutter type and those using stroboscopic light. Slides and motion pictures, were shown of birds flying.

(Continued on Page 4)
Edgerton

SIGMA XI INITIATES MEMBERS AT DINNER MEETING LAST FRIDAY

Thirty-Five Of Institute Staff Receive Membership In Honorary Society

Technology chapter of the Society of Sigma Xi, the national honorary scientific society, initiated thirty-five scientists and engineers from the Institute staff last Friday at the first meeting of the year.

Colonel Robert C. Eddy of the Institute's division of industrial cooperation was the chief speaker at an informal evening dinner for chapter members at the Commander Hotel in Cambridge. Professor Dugald C. Jackson, president of the Technology chapter, presided at the meeting, arranged by a committee under chairmanship of Professor Philip M. Morse.

Members of the staff initiated were Professors William P. Allis, Avery A. Ashdown, Arthur A. Blanchard, Samuel H. Caldwell, Alfred V. de Forest, Richard D. Fay, Nathaniel H. Frank, Richard H. Frazier, Ernst A. Guillemin, Carle R. Hayward, Frank L. Hitchcock, Ernest H. Huntress, W. Spencer Hutchinson, James R. Jack, Joseph H. Keenan, Avery A. Morton, Frederick H. Norton, Miles S. Sherrill, Stephen G. Simpson, Leighton B. (Continued on Page 4)

Initiates

NEW OFFICERS PICKED BY ALPHA CHI SIGMA

New officers of Alpha Chi Sigma, honorary chemical fraternity, were elected at a meeting last Thursday. They will hold office during the next term. John H. Howell, '35, was elected president, and Herbert M. Borden, '36, vice-president.

Other officers are Willard Marcy, '37, reporter; James W. Libby, '35, recorder; Thomas A. Terry, '36, treasurer; Roy P. Whitney, '35, master of ceremonies; and Richard S. De Wolfe, '36, vice-master of ceremonies.

TECH WILL ANNOUNCE NEW STAFF TOMORROW AT FORMAL BANQUET

Editor of Farmer's Almanac, Carol Swan Will Be Guest Speaker

THE TECH Staff's annual formal banquet will be held in the Parker House tomorrow evening at 7 o'clock with Carol Swan, editor of the Farmer's Almanac, as guest speaker.

Other guests will include several former members of THE TECH staff as well as the managing editors of the other publications at the institute.

The Managing Board and Associate Board of Volume LV will also be announced at this time; their work will commence with the first issue of the second term. Other elections and promotions will also be announced.

TRANSPORTATION PROBLEMS TOPIC OF RIDGWAY TALK

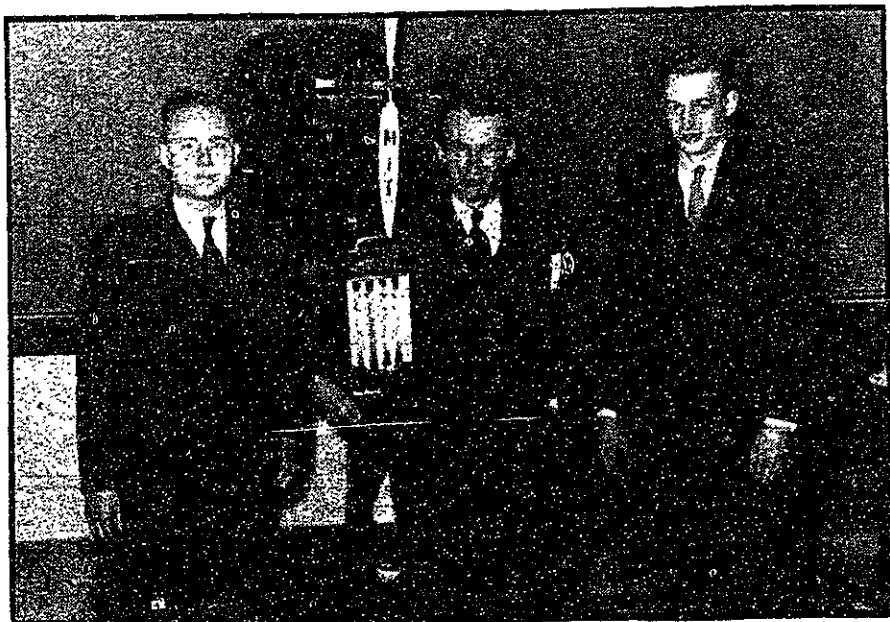
Distinguished Engineer Speaks To Members of Society Of Sigma XI

MANY SLIDES SHOWN

Members of the Society of Sigma Xi Friday afternoon heard an address by Robert Ridgway, the distinguished consulting engineer and former chief of the Board of Transportation of New York City, who spoke on "Transportation Problems in Modern Cities." The talk followed a business meeting and initiating ceremony of the national honorary scientific society.

(Continued on Page 4)
Ridgway

Three Demonstrate Stroboscopic Camera



Prof. Harold E. Edgerton, Kenneth J. Germeshausen, and Herbert E. Grier, (left to right) exhibiting high-speed motion photography at Society of Arts Lecture

DR. LANGE DEVELOPES WEATHER INSTRUMENT

New Device Will Be Used In Forecasting

Meteorographs of an improved type capable of accurately recording the rapid changes in temperature, humidity, and barometric pressure during airplane flights for the purpose of gathering data for weather forecasting, have been developed in the division of meteorology at the Institute.

Enclosed in an aluminum case, the instrument looks like a miniature Zeppelin. It is three inches in diameter and 14 inches long, and is suspended from the wing of an airplane. It records the data on a square inch of smoked glass in minute tracings.

First Exhibited in Pittsburgh

This new meteorograph was exhibited for the first time in Technology's exhibit of scientific apparatus at the meeting of the American Association for the Advancement of Science on December 27 in Pittsburgh. Dr. K. O. Lange, who designed the instrument, discussed it in a technical paper delivered before the American Meteorological Society there.

Air resistance of ordinary aerometeorographs and their rubber shockcord suspension reduce the "ceiling" of light airplanes, frequently used for weather flights. In developing the new instrument, Dr. Lange achieved a design which combines great sensitivity, rigidity, and minimum air resistance. It is built on the same principle as the Jaumotte sounding balloon meteorographs, 35 of which were used by the Institute in the recent flight of sounding balloons into the stratosphere from Lambert Field, St. Louis.

SKI-RUNNERS' CLUB WILL HOLD INITIAL MEETING TOMORROW

Thomas Cabot Will Give Talk On European Skiing To New Group

At the first meeting of the Technology Ski-runners' Club tomorrow at 7:30 in Room 6-120, Mr. Thomas Cabot of Boston will be guest speaker. He will talk on the subject "European skiing" and slides will be used to illustrate the lecture.

Before the meeting, in the Walker Grill at 6:15, the Club is holding a (Continued on Page 2)
Skiing

Engineers Like Wellesley Girls Best; Radcliffe 6th on List of Favorites

Wellesley Takes 90 of 415 Votes While Harvard Comes Second On Preferred List; Simmons Comes Third, Smith is Fourth

Technology men like Wellesley girls best, was the fact revealed by the poll conducted by THE TECH last Friday. Wellesley polled 90 of the 415 votes cast, and Radcliffe came 6th down on the list of All-Technology favorites with only 14 votes.

The poll was occasioned by the fact that Radcliffe girls, when interviewed by the B. U. News, stated that they preferred B. U. men to Technology students. It was designed to find out the engineers' sentiment on the girls' college question.

Harvard followed Wellesley on the preferred list of girls' schools, totaling 46 votes and Simmons came close

Tech Show Has \$290; Only \$3 More Needed To Assure Production

TAL HENRY PLAYS FOR DORM DANCE

Table Reservations Today-Every Day This Week At \$4 A Couple

Tal Henry and his North Carolinians will play for the fifth annual Dormitory Dinner Dance to be held Friday, February 8, in Walker Memorial. This orchestra was featured on the terrace garden of the Hotel New Yorker two seasons ago, and is said to have a large radio following.

Sign-ups for the dance start tonight at 8 o'clock in the Dormitory Committee Room, and will continue at that time every night for the remainder of this week. Parties of eight or ten can be accommodated. The first to arrive will have their choice of table reservations.

The Dormitories have been able to secure Tal Henry, who has been engaged for the Dartmouth Carnival the night following the Dinner Dance, while he is stopping off here on his way to New Hampshire. Willard Alexander, the orchestra selected in the dormitory poll by an overwhelming majority last week, could not be secured because of the requirements of his new contract at Levaggi's.

(Continued on Page 3)
Dorm Dance

PROFESSOR AT YALE SPEAKS ON RESEARCH AT A. C. S. GATHERING

Barnett F. Dodge Discusses High Pressure Synthesis of Wood Alcohol

Professor Barnett F. Dodge, chairman of the Department of Chemical Engineering of Yale University spoke on "Chemical Engineering at High Pressures" at the January meeting of the Northeastern Section of the American Chemical Society at 8:00 o'clock last Friday at the American Academy of Arts and Sciences, 28 Newbury Street.

Professor Dodge's researches include studies upon the high pressure synthesis of wood alcohol, the production of hydrogen, and the distillation of liquid air. During the World War, he developed processes for loading high explosive shells with amatol.

LAST DAY, TODAY

Board Is Confident That Entire Amount Will Be Obtained To Cover Bond

INSTITUTE COMMITTEE TO ACT ON THURSDAY

Plans For Show Move Rapidly Ahead; Candidates Needed For Business Staff

Two hundred and ninety dollars of the required two hundred and ninety-three have been raised by the Managing Board of Tech Show, it was disclosed late last night. Confident that the remainder will be obtained by today, the last date for submission according to the rule of the Institute Committee, members of the Board are issuing orders of full speed ahead for the production.

Discouraged by the failure of last year's Tech Show to meet financial obligations, the Institute Committee ordered on November 22, that members of Tech Show must pay last year's deficit (amounting to \$92.96) and place a bond of \$200 by January 15 or else the holding of the show would be prohibited. \$290 of this amount has already been solicited.

If the required amount has been raised by today, the bond will be submitted at the Thursday meeting of the Institute Committee, where action is expected to be taken.

Positions Open On Business Staff

Several vacancies on the business staff of the show are at present waiting to be filled candidates for such positions are requested to apply in the Tech Show Office during this week any day after 5 o'clock, to Carlos Lavenas, business manager of the show.

There are at present 25 persons out for the cast and 23 for the chorus. Able candidates for either of these divisions are also needed.

Frank Homan and Arnold Potter, both freshmen, were awarded the \$25 Masque Award on Dec. 21, 1934 for this year's Tech Show script.

STUDENT FEDERATION WILL HOLD MEETING

Many New England Colleges To Be Represented

Representatives from men's and women's colleges throughout New England will attend the annual meeting of the World's Student Christian Federation to be held in the form of a banquet on Saturday, January 19, at 6:45 P. M. in the North Hall of Walker Memorial. The M. I. T. Chinese Club will give greetings at the dinner.

Mr. Luther Tucker, recent Yale graduate, who last summer attended the annual meeting in Europe of the World's Student Christian Federation, will act as toastmaster. The principal speaker will be Dr. T. Z. Koo, student Y. M. C. A. secretary for China. Miss Jean Hastings of Mt. Holyoke will also speak.

Faculty members and their wives as well as both American and foreign students from colleges in greater Boston are invited. Banquet tickets are one dollar each and may be obtained either in the T.C.A. office in the basement of Walker Memorial, or at the door. Dress is informal.

behind with 43 votes. Among the other choices were New Jersey Reform School, University of Rochester, Tokio Girls' School, Child's Educational Foundation of New York, University of California, and Les Fougères, (Switzerland).

A tabulated list of the results follows:

School	Votes
Wellesley	90
Harvard	46
Simmons	43
Smith	39
Technology	19
Vassar	14
Bryn Mawr	13
B. U.	12
Jackson	8
Wheaton	8
Wheelock	5

(Continued on Page 2)
Tech Poll



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TESTING COMMON SENSE

EXAMS

WITH examinations in the immediate offing the mind of the student body is turned toward what we like to call the intelligent review of the first term's courses. There are two ways, broadly speaking, to prepare for exams, and many have already learned by experience the better one. Some students, however, may profit by the example of the others who know how to make a summary of a subject in such a way as to utilize most efficiently the time spent.

A group of honor students in a large eastern college were asked how they prepared for exams, and the majority of them placed the greatest emphasis on the value of reviewing notes. Now this is a simple process, the value of which any student will recognize, but the significant fact is that the honor students regarded the "doing out" of a long list of problems as a waste of valuable time. It is generally found that type problems can be unearthed from the mazes of home lesson assignments. The mechanics of doing all these one after another may be a good exercise in mathematics, but it contributes little to the student's understanding of the problems.

When time is short, and when the list of term assignments is long, the intelligent survey of a subject must confine itself to principles and methods, and not go into the sometimes wasteful mechanics of slide-rule pushing.

Because sophomores and the upper classmen have probably already learned the advantages of concentrating on the essence of a course, namely, "principle", this word of advice is given mainly for freshmen. A term's notes can generally be distilled down to some basic formulas, which, when they are understood, will give the student the ability to tackle any reasonable exam question with confidence. If the student has not made good notes or failed to underline basic material in his text book, he will have learned the lesson that laziness of that sort doesn't pay.

An easily avoidable hazard with which exams necessarily beset the way, is the counterpart of stage-fright. The normal student goes into the examination room with a certain amount of apprehensiveness, no matter how well prepared he may be. Many times if the student looks over the whole exam before he starts the first problem, the task appears somewhat formidable. The antidote for this experience is to do the first problem first without looking at the rest of the exam. By the time the student has done the second problem he has the comfortable feeling that part of the

exam is behind him. He also has become acclimated to the examination "atmosphere" and can now plan a general time schedule, without being taken aback at one or two unusually hard questions.

Examinations serve more than one purpose than that of giving instructors a measure of the student's ability. They present a real test to every earnest student, a test in his ability to pick out the essentials of a subject, a test that requires not alone knowledge of a particular subject, but also the tenuous quality we call judgment. In other words an exam is more than a test of knowledge. It is partial test of common sense. Organize, synthesize, and summarize your material and the results will show on your term rating.

NO PROPHECY, BUT—

TECH SHOW

WHEN the last Tech Show wound up its affairs, there remained to trouble the Institute Committee a deficit of \$92.96. Like most other organizations today, high and low, the Committee finds its treasury in a sensitive and easily irritated condition. Therefore, to make certain that the situation would not be repeated, it was voted that Tech Show must, in order to continue its functions this year, make a deposit of \$200, and pay off the debt of \$92.96.

It is now reported that the members of Tech Show have already raised \$290.00, and that before the deadline set by the Institute Committee, the entire amount will be forthcoming.

This sum has come from a relatively few students, and although it is probable that the largest amount invested by one man is nothing to make Morgan envious, the fact remains that this sum will furnish an incentive and a responsibility that could not otherwise be supplied. With the possibility of grievous loss to one's own pocketbook, expenditures and budgets will be watched with an eagle eye, salesmen will find more often that added punch which sells tickets.

This is no prediction, for prophets find these times perilous, but we feel that there is a drive behind the present organization that promises success for the 1935 Tech Show.

TECH POLL

(Continued from Page 1)

Forty-three other schools and colleges were listed, each one receiving from 1 to 7 votes. The reason for these preferences as shown on the ballots varied all the way from monosyllabic cryptograms to lengthy explanations.

The comments are listed under the various colleges:

Wellesley

"They appreciate Tech men."
 "They are good dancers, polished conversationalists, and excellent all-around companions."
 "Smoother."
 "Less resistivity."
 "They react better."
 "Not stuck up."

Radcliffe

"Will probably make the best wives."
 "Smarter."
 "Not too extravagant."

Vassar

"After all, they are not so dumb."
 "Interesting, beautiful, intelligent, companionable."
 "They are ladies; ladies are like gentlemen; intelligent, good sports, considerate, not snobbish, able to get along with all classes diplomatically, good companions, consider worth not wealth."

Technology

"Their looks."
 "They are so intellectual."
 "Technology girls can understand what I like to talk about."

Jackson

"She's got a car."

B. U.

"Why not make the feeling mutual?"

Simmons

"My experience with Simmons has

SKI-CRAFT

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 U.S.A.



always been very satisfactory."
 "Dance better, look better, cook better."

Unclassified

"A woman is only a woman, but a good cigar is a smoke."
 "Don't like girls anyway."

SKIING

(Continued from Page 1)

luncheon at which Mr. Cabot and Professor Dean Peabody, of the Civil Engineering Department, will be present.

Tells of Dartmouth Carnival

At the meeting in Room 6-120, after Mr. Cabot has spoken, Frederick D. Mathias, '36, will tell of the trip he made to the Dartmouth Carnival last season. Although there are no definite plans as yet, two Technology men may be sent again this year to the Carnival. Following the talks of the regular speakers, the meeting will be open to questions and discussion. All interest in skiing are welcome to attend.

Undergraduate Notice

All freshmen desiring to substitute a sport for Physical Training next semester must sign up before noon on Friday in Coach McCarthy's office in Walker Memorial.

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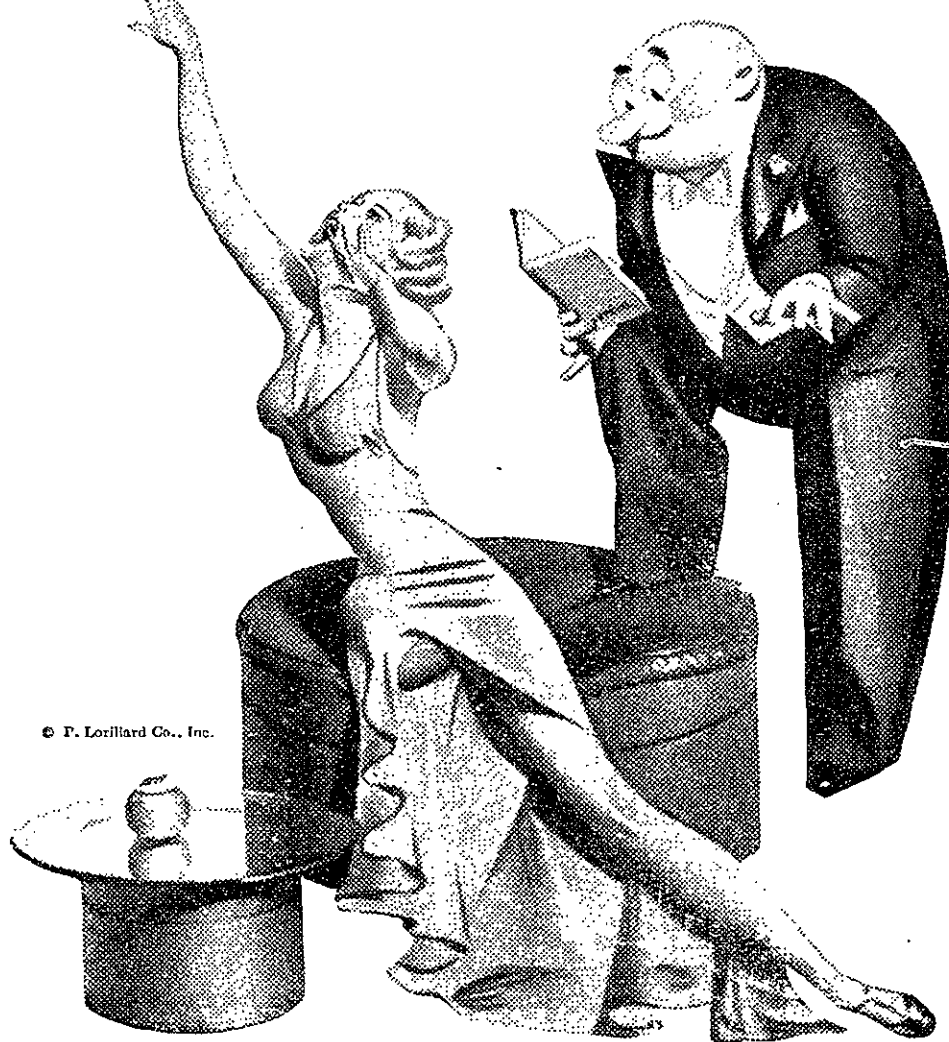
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AT TRYING TIMES . . . TRY A SMOOTH OLD GOLD

M. I. T. WRESTLERS TIE WITH NORWICH

Oshry, Mardorosan and Cestoni
Win by Falls; Clark, By
Time Advantage

The varsity grapplers came close to breaking into the win column last Saturday evening when they tied the Norwich University matmen 18 all. Several unfortunate breaks occurred in the course of the evening that robbed the team of a victory. The heart-rending breaks came to Jervis Webb and to Joe Heal who wrestled in the 155 and 165 lb. classes respectively. Both boys had time advantages of over five minutes on their opponents but were both put down by falls with less than one minute of their matches to go.

The four Tech victors were Clark, who won in the 115 lb. class by a time advantage; Oshry who won by a fall in the 135 lb. class; Mardorosan who won by a fall in the 145 lb. class; and Don Cestoni who won by a fall in the heavyweight class. The other Tech men who made the trip up North but who lost, were Torrance in the 125 lb. and Webb and Heal. The 175 lb. event was forfeited.

DODGE SETS RECORD AS SWIMMERS LOSE

Swims 150-Yard Backstroke
Event In 1m. 51s. to Lower
Time 2-5 Second

Cleon Dodge's feat of clipping 2/5 of a second off the Institute record in the 150-yard backstroke event was not quite enough to keep the swimming team in the win column and Amherst crashed through with a 46 to 31 win over the Engineers on Saturday at the University Club. Dodge, a sophomore, swimming in his second varsity meet, shattered a Tech record of six years standing to fulfill partly pre-season statements of both Captain Granberg and Coach Untersee to the effect that Tech records would be broken by the swimming team this year. Dodge's time in the backstroke event was 1m 51s.

Pete Heywood kept up his good work in the diving contest to win a first in this event. Vonnegut led the field in the 200-yard breast stroke to score a first in this contest. The only other first for Tech came in the 400-yard relay. In this event, Dodge swimming anchor man, barely held a lead given him by Granberg to win the event by inches. Besides swimming in the relay and the backstroke events, Dodge entered the 100-yard free style in which he placed third. The summary of the meet follows:

300-yard medley relay—Won by Amherst. Edward Green, back stroke; Stephen Witcher, breast stroke; Dick Wisner, (free style); second, M. I. T. (Bill Hope, Pete White, James Patterson). Time—3m. 28s.
220-yard free style—Won by Emory Baneroff (A); second, Nelson Repsold (A); third, Pete Heywood (T.). Time—2m. 41s.
50-yard free style—Won by Mathew Kelly (A); second, Bill Warner (A); third, Robert Granberg (T.). Time—26 1-5s.
110-yard free style—Won by Bill Buechner (A); second, Roger Keith (A); third, Kenneth Haysen (T.). Time—5m. 18 1-5s.
150-yard back stroke—Won by Cleon Dodge (T.); second, Edward Green (A); third, Bill Hope (T.). Time—1m. 51s. (New Tech record.)
200-yard breast stroke—Won by Bernard Vonnegut (T.); second, Steve Whicher (A); third, Charles McCormack (A.). Time—2m. 10 4-8s.
100-yard free style—Won by Mathew Kelly (A); second, Cleon Dodge (T.); third, Bob Granberg (T.). Time—35 3-5s.
Dive—Won by Pete Heywood (T.) 92.11 points; second, Gordon Lundwall (A.) 80.69 points; third, Al Lapidus (A.) 76.81 points.
400-yard relay—Won by Tech (James Patterson, Pete Heywood, Bob Granberg, Cleon Dodge); second, Amherst (Nelson, Repsold, Charles Matzinger, Clinton Tylee, Phillip Coombs). Time—4m. 4 2-5s.

SQUASH TEAM LOSES TO TRINITY BY 4-1

Despite the excellent performance turned in by John P. Bainbridge, '35, No. 1 man, who defeated his opponent, the Technology squash team lost to Trinity last Saturday by the score of 4-1 in the opening intercollegiate contest. The rest of the team consisted of John S. Mason, '35, Fitz R. White, '35, Carlos E. Ceballos, '38, and Norris E. Ruckman, '35.

Statistics show that Harvard men are confirmed milk drinkers. At a Harvard dining hall a 900 dollar beer license has earned only \$521 since January 1. Each student diner average one bottle of beer per three weeks.

VARSITY HOOPMEN LOSE TO LOWELL

Fast Textile Team Holds Lead
Throughout Game To
Win 44-25

Tech's varsity basketball quintet finally had to bow to Lowell Textile at the hangar last Saturday night by the one-sided score of 44 to 25. M. I. T. gave Lowell no competition at any stage of the game. At the beginning of the second half, the Engineers did embark on a brief rally but were soon stopped.

Tech showed a mediocre form during this game as compared to the fast brand of playing that was evident at the Vermont game. Except for the usual good playing of Captain Demo and Bill Garth, the Beavers failed to click as a whole. On the other hand, a smooth moving Lowell team showed a fine scoring power. This was especially true of their star forward, Athanas, who managed to pile up nine field goals and three foul shots to his credit.

Tomorrow night, Tech will face even a stiffer opponent again in the Hangar. Both the varsity and the frosh are scheduled to meet Tufts. Last year, the Jumbos on their home floor had no difficulty in beating Tech. Consequently, the Engineers, in spite of the advantage of now playing on their home floor, will have to fight hard in order to make a good showing.

DORM DANCE

(Continued from Page 1)

Subscription to the dance is \$4 to dormitory men, and \$5 to Technology men outside the dormitories.

By popular request, the affair has been made a program dance, the committee announced. They also announced that invitations have been secured, and will be given out with the sign-ups.

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A complete review,
illustrated by old exams
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SPORTS COMMENT

George Owen's stextet turned in an unexpectedly good game at West Point Saturday, with Don Kenny, in particular, showing a marked improvement over his previous performances in the nets. It is true that Army's only score came on a long shot which bounced off the Tech goalie, but Don displayed some classy net-minding to hold the score down to 1-0.

Dorm sports are at almost a complete standstill at present. The basketball competition is finished and bowling will not get under way until after the second term has started. About the only sign of organized athletic activity now is the playing of the first and second rounds of the Dorm squash tournament. The All-Dorm basketball team, like the well-known Arab, seems to have folded its tent and silently stolen away. Maybe it will steal back again after the exam period is over.

Tufts will provide the opposition for the Tech varsity and freshman basketballers at the Hangar Gym tomorrow evening. Both of the Cardinal and Gray teams have yet to taste victory this season and will have their work cut out for them to top the Jumbo teams. On the basis of comparative showings Tech should be favored, for B. U. defeated Tufts, yet lost to Vermont by a sizable margin, while the Green Mountain boys nosed out Tech only by a single point. Comparative showings in the past, however, are often dangerous criteria on which to base predictions.

ARMY PUCKSTERS WIN BY ONE-POINT MARGIN

Tech Plays Best Game Of Year
Despite Sixth Loss

Although playing their best game of the year, the M. I. T. pucksters lost their sixth consecutive game, 1-0, to an Army team very equal to theirs. The only score was on a long drive at the beginning of the second period. The game was played last Saturday at West Point.

Throughout the contest, the two teams played a very fast, interesting game on even terms. Tech's line-up was considerably changed for the first time this year. Stiles was shifted to right wing, Cohen took Leman's place at center, and Don Kenny played the

entire game as goalie. Stiles and Leman, neither of whom has seen much service before the West Point game, played brilliantly throughout. The former was conspicuous in all the Beaver advances, while Kenny made many beautiful stops. Mathias at wing, and Parker and Driscoll on defense completed the Tech first line.

After putting up such a decidedly improved game last Saturday, the Tech pucksters hold high hopes of beating the teams of both Union and Hamilton, neither of which is very strong. The games will be played on February 1 and 2 on a post-exam trip.

RIFLE TEAM DEFEATS NORTHEASTERN, 892-877

Undeclared Team Will Compete
With Navy On Feb. 9th

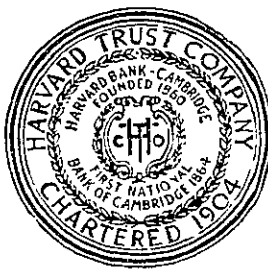
Continuing its fine shooting, the varsity rifle team celebrated its fourteenth victory of the season by trouncing Northeastern University last Friday night with a score of 892 to 877. Rice of the M.I.T. team was the high man with a score of 183 out of a possible 200 points. Lawrence Hall, the captain of the team, celebrated this, the fourteenth victory to date, by missing a shot for the first time in three years of shoulder-to-shoulder meets.

The varsity's activities for term season will be completed on Tuesday of this week when the scores of the team will be compiled for the ROTC Corps Area postal match. The freshman team has been making excellent progress under the careful tutelage of Sergeant Fitzgerald. The team will begin its postal season after the mid-term examinations and will compete with some of the top-notch teams of the country.

However, Captain Hyde of the Engineer Corps, despite the excellent record of the team, thinks that it is not up to the best because at least two or three men have fallen down in each match. According to Sergeant McDonnell, the team will have to do its best if it is to win from Navy on February 9.

The year 1934 was the 300th anniversary of the founding of the first secondary school in the United States.

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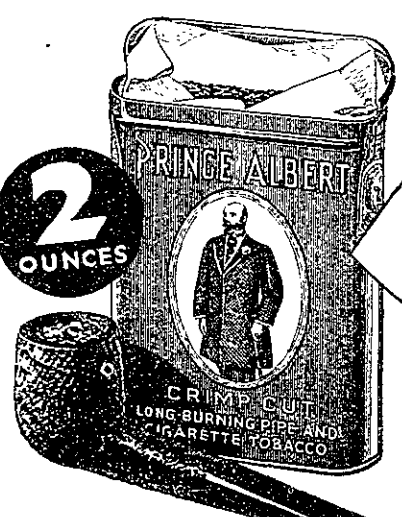
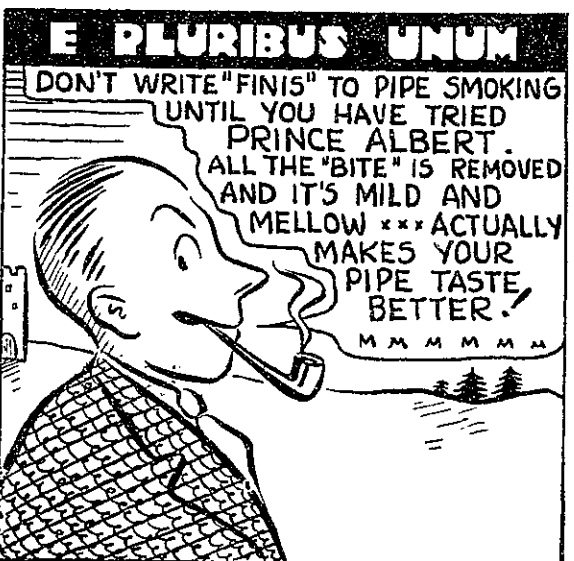
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PRINCE ALBERT
THE NATIONAL JOY SMOKE!

EDGERTON

(Continued from Page 1)

The compression of a golf ball being teed off, and a football being kicked were illustrated by a series of high speed motion pictures.

The camera used for recording these high speed motion pictures was invented by Professor Edgerton and Kenneth J. Gernsback. Because it takes pictures at the rate of 400 frames per second, this camera has great possibilities in research for photographing motion that cannot be seen by the human eye. The difficulty of obtaining an electric light bright enough to furnish the required illumination was overcome by the use of stroboscopic light.

At each of the two Sunday lectures, the seating capacity of the room was exceeded, and many stood at the rear and sides of the hall.

Rooms for Students

Newly Opened House On Memorial Drive, Two Doors from Riverbank Court Hotel

Recreation Room in Basement Accommodations for about a dozen students Board furnished if desired

Inquire MRS. SWAIN 312 Memorial Drive

CALENDAR

Tuesday, January 15

- 5:00—Glee Club Rehearsal, Room 10-250.
- 6:30—Society of Automotive Engineers Dinner, North Hall, Walker Memorial.
- 6:30—Orchestra Rehearsal, Room 10-250.
- 6:30—Corporation XV Dinner, Grill Room, Walker Memorial.
- 6:30—Class of 1915 Dinner, Faculty Room, Walker Memorial.
- 6:30—Army Ordnance Officers Dinner, Silver Room, Walker Memorial.
- 8:00—Lecture to Army Ordnance Officers, East Lounge, Walker Memorial.

Wednesday, January 16

- 5:00—Physical Society Meeting to Elect Officers, Room 6-215.
- 7:00—THE TECH Formal Banquet, Parker House.
- 7:00—Dormitory Basketball, Walker Gymnasium.
- 7:00—Basketball, Freshmen vs. Tufts, Hangar Gymnasium.
- 7:30—Ski-Runners Club Meeting, Room 6-120.
- 8:00—Basketball, Varsity vs. Tufts, Hangar Gymnasium.

Thursday, January 17

- 2:00—Colloquium on Partial Differential Equations, "Cauchy's Problem" by A. C. Schaeffer, Room 2-246.
- 3:00—Theoretical Seminar, "Electrical Conductivity of Metals" by Prof. N. H. Frank, Room 6-120.
- 4:30—Physical Colloquium, "Structure of Alloys" by J. Millman and Prof. E. Rudberg, Room 6-120.
- 5:00—Institute Committee Meeting, East Lounge, Walker Memorial.
- 5:00—Debating Society Meeting, West Lounge, Walker Memorial.
- 6:30—Plant Engineers Club Dinner, Grill Room, Walker Memorial.
- 7:30—Sigma Chi Basketball Practice, Hangar Gymnasium.

DUKE UNIVERSITY SCHOOL OF MEDICINE

DURHAM, N. C.

Four terms of eleven weeks are given each year. These may be taken consecutively (graduation in three years) or three terms may be taken each year (graduation in four years). The entrance requirements are intelligence, character and at least two years of college work, including the subjects specified for Grade A Medical Schools. Catalogues and application forms may be obtained from the Dean.

INITIATES

(Continued from Page 1)

Smith, Charles M. Spofford, Donald C. Stockbarger, Edward S. Taylor, Harold C. Weber, Walter G. Whitman, Hurd C. Willett, Robert S. Williams, John C. G. Wulff; Instructors Prescott D. Crout, Harold T. Gerry, Heinrich Peters; Research Associates J. Warren Horton, Henry G. Houghton, Jr., Edward S. Lamar, and Arthur C. Ruge.

RIDGWAY

(Continued from Page 1)

Mr. Ridgway depicted the growth of the various modes of transportation in New York City, from the earliest street cars to the most modern subway trains. In the past three decades, the speaker pointed out, New York has spent as much on transportation facilities as the entire United States spends in one year.

In describing the development of underground tubes and elevated trains, Mr. Ridgway showed slides of the highest elevated structure in the city, nearly sixty feet above the ground. This structure was erected without the interruption of street traffic.

More slides illustrated cross sections of subways, demonstrating the great complexity of problems of design and construction. In one case which Mr. Ridgway described, under the narrow-

est part of a street only thirty-five feet wide it was necessary to run the passages in the reverse position so that the passengers had to board trains from the left side.

Another slide of an excavation for repairs in underground wires showed graphically the difficulties encountered in building a subway under the maze of wires and conduits.

The deepest excavation for subways in New York City is at one place 165 feet below the ground. An elevator takes the passenger up to the street level.

Mr. Ridgway enriched his account of transportation problems by many interesting anecdotes out of his wide experience.

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you can draw with your pen AND the right drawing ink—that's Higgins', of course —right for color—right for pen —right for brush.

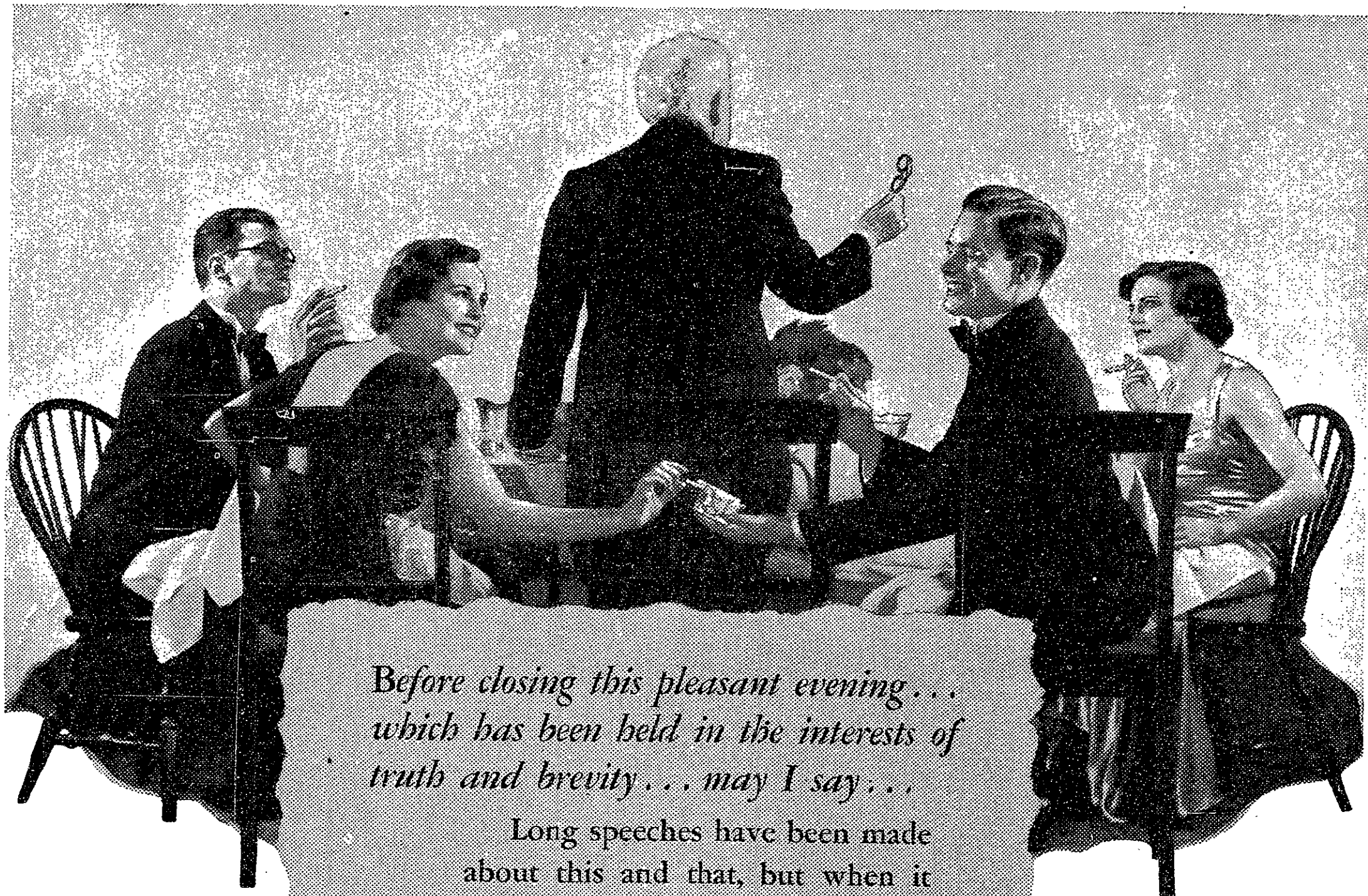
16 Waterproof Colors, Waterproof and General (soluble when dry) Blacks.



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DRAWING INKS



Before closing this pleasant evening... which has been held in the interests of truth and brevity... may I say...

Long speeches have been made about this and that, but when it comes to a good cigarette, you can say it all in just a few words...

— they're Milder



— they TASTE BETTER